

Policy & Procedure (P&P)

Policy Title :

Pre-Transfusion Testing

Department	Index No.	Scope
Laboratory & Blood Bank	LAB-090	All Blood Bank Staff
Issue Date	Revision NO	Effective Date
1432/10/24	4	1441/07/19
Review Due Date	Related Standard NO.	Page Number#
1443/07/19	CBAHI (LB.63)	3

01. Policy:

Provide guidelines to all Blood Bank staff to follow before issuing the blood or blood component bags for patients safety.

02. Definition :

N/A

03. Purpose :

The blood and its product can cause a severe harm to the recipient, so it is a must to examine and choose the safe and suitable blood and / or its component before transfusing it to the patient.

04. Procedure :

The pretransfusion testing is performed on a specimen collected from the recipient with every admission and within three days of the scheduled transfusion time. The day the sample is extracted is the day zero.

The following procedures are performed before blood components are issued.

1. The blood bank staff performs a positive identification of recipient request and recipient's blood sample.
2. The blood bank staff performs the recipient ABO group and Rh D group:
 - Determination of the patient forward and reverse ABO group
 - Determination of the patient Rh D group
 - Determination of the patient Rh subgroups (CcEe) and Kell phenotyping for the patients with recurrent blood transfusion (SCD, Thalassemia, HDU patients) , pediatric patients, female patients in the age of childbearing and leukemia patients.
3. The blood bank staff performs the Antibody screening tests for clinically significant antibodies for recipient's



وزارة الصحة

Ministry of Health

مستشفى القفزة العام

serum and if positive the blood bank staff will perform the antibody identification of unexpected antibodies to red cell antigens and select a negative unit for the antigen.

4. The blood bank staff compares the current findings on the recipient's sample with records of previous results including grouping, presence of clinically significant antibodies or occurrence of transfusion reaction. If any discrepancies occur then we have to resolve them before performing the compatibility testing.
5. When there is no history for the patient in the transfusion services records or computer system, then the blood bank staff performs two determinations of the patient ABO-RhD must be made on two different specimens collected at two different moments during the current admission.
6. The blood bank staff performs the confirmation of ABO and RhD type from the integrally attached segment of red blood cell components.
7. The blood bank staff selects the appropriate ABO group and Rh type, Rh subgroup and Kell phenotyping for the recipient.
8. The blood bank staff performs the serologic cross-match from the integrally attached segment of red blood cell components.
9. The blood bank staff labels the products with the recipient's identifying informations.

05. Responsibilities :

All Blood Bank Staff of Al-Qunfudah General Hospital.

06. Equipment & Forms

Crossmatching register, blood grouping register

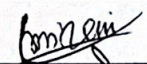
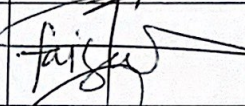
07. Attachment :

N/A

08. Reference

Technical Manual of the American Association of Blood Banks, 18 th edition

Preparation , Reviewing & Approval Box

	NAME	POSITION	SIGN & STAMP	DATE
Prepared By	Dr RAJA NACER SASSI	Head of Blood Bank		15/7/1441
Reviewed By	Dr IBRAHIM AWADH	Lab & B.Bank HOD		15/7/1441
Document Reviewed By	Dr FAISAL FALATA	TQM Director		15/7/1441
Reviewed By	Dr AHMAD BALBAID	Medical Director		15/7/1441
Approved By	Mr HASSAN ALNASHERI	Hospital Director		11/3/2020

